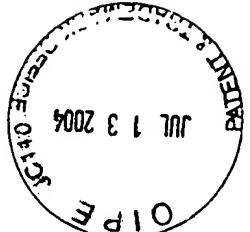


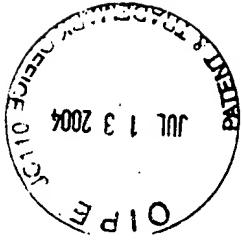
|     |   |   |   |   |   |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|---|---|-----|---|---|---|
|     |   | 1 | R | P | S | G | R | K | S | S | 6 | 8 | 9 | M   | Q | A | F   | R | I |   |
| 16  | W | D | V | N | Q | K | T | F | Y | L | R | N | N | Q   | L | V | A   | G | Y | L |
| 36  | Q | G | P | N | V | N | L | E | E | K | I | D | V | V   | P | I | E   | P | H | A |
| 56  | L | F | L | G | I | H | G | G | K | M | C | L | S | C   | V | K | S   | G | D | E |
|     |   |   |   |   |   |   |   |   |   |   |   |   |   | 84  |   |   |     |   |   |   |
| 76  | T | R | L | Q | L | E | A | V | N | I | T | D | L | S   | E | N | R   | K | Q | D |
| 96  | K | R | F | A | F | I | R | S | D | S | G | P | T | T   | S | F | E   | S | A | A |
| 116 | C | P | G | W | F | L | C | T | A | M | E | A | D | Q   | P | V | S   | L | T | N |
|     |   |   |   |   |   |   |   |   |   |   |   |   |   | 141 |   |   | 170 |   |   |   |
|     | M | P | D | E | G | V | M | V | T | K | F | Y | F | Q   | E | D | E   |   |   |   |

FIG. I

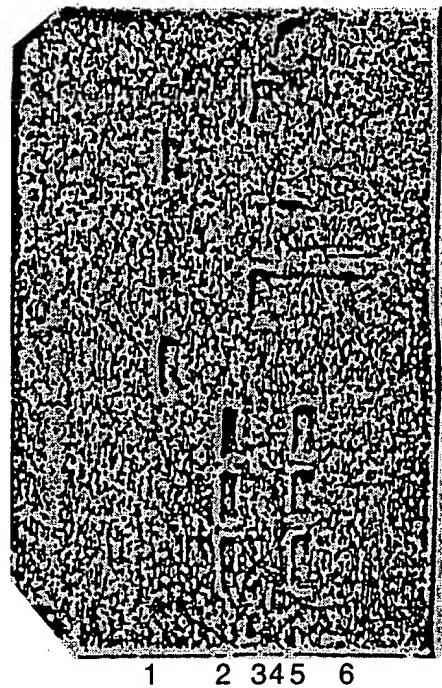


10 Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr  
 20 Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp  
 30 Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His Cys Leu  
 40 Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His Cys Leu  
 50 Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp  
 60 Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp  
 70 Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu  
 80 Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu Asn Gln Thr Val His Leu Ser Cys Gln Gln  
 90 Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu  
 100 Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu Asn Gln Thr Val His Leu Ser Cys Gln Gln  
 110 Lys Gln Asn Thr Val Cys Thr Cys His Ala Gln Phe Phe Leu Arg Glu Asn Glu Cys Val  
 120 Lys Gln Asn Thr Val Cys Thr Cys His Ala Gln Phe Phe Leu Arg Glu Asn Glu Cys Val  
 130 Ser Cys Ser Asn Cys Lys Lys Ser Leu Gln Cys Thr Lys Leu Cys Leu Pro Gln Ile Gln  
 140 Ser Cys Ser Asn Cys Lys Lys Ser Leu Gln Cys Thr Lys Leu Cys Leu Pro Gln Ile Gln  
 150 Ser Cys Ser Asn Cys Lys Lys Ser Leu Gln Cys Thr Lys Leu Cys Leu Pro Gln Ile Gln  
 160 Ser Cys Ser Asn Cys Lys Lys Ser Leu Gln Cys Thr Lys Leu Cys Leu Pro Gln Ile Gln  
 161 Asn

FIG.2



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**FIG. 3**

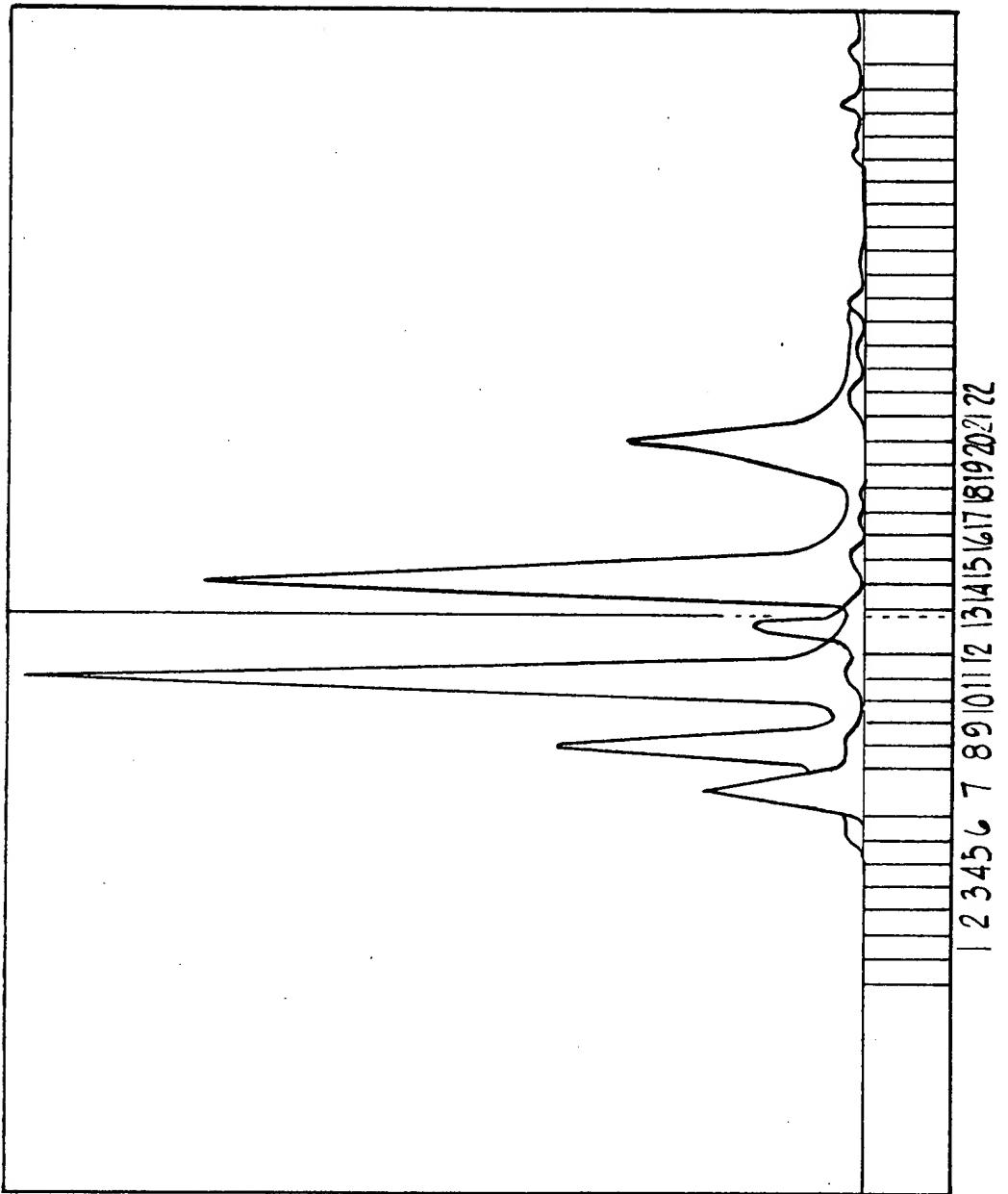
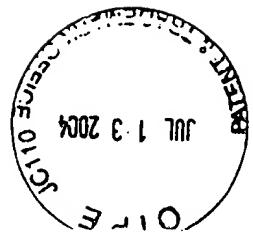


FIG. 5



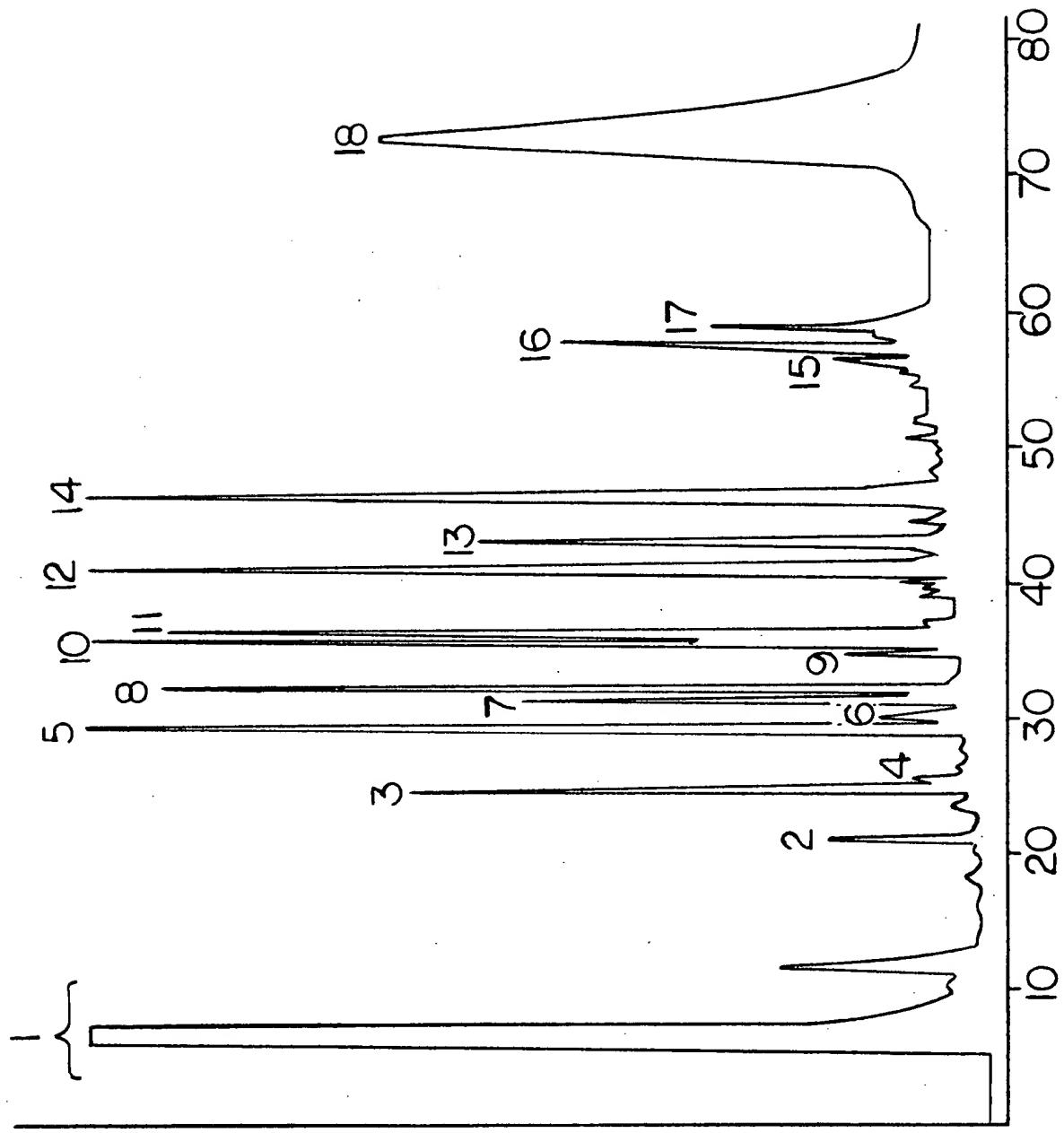


FIG. 6

O 11 E  
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SCHOOL OF ENGINEERING  
UNIVERSITY OF TORONTO LIBRARY

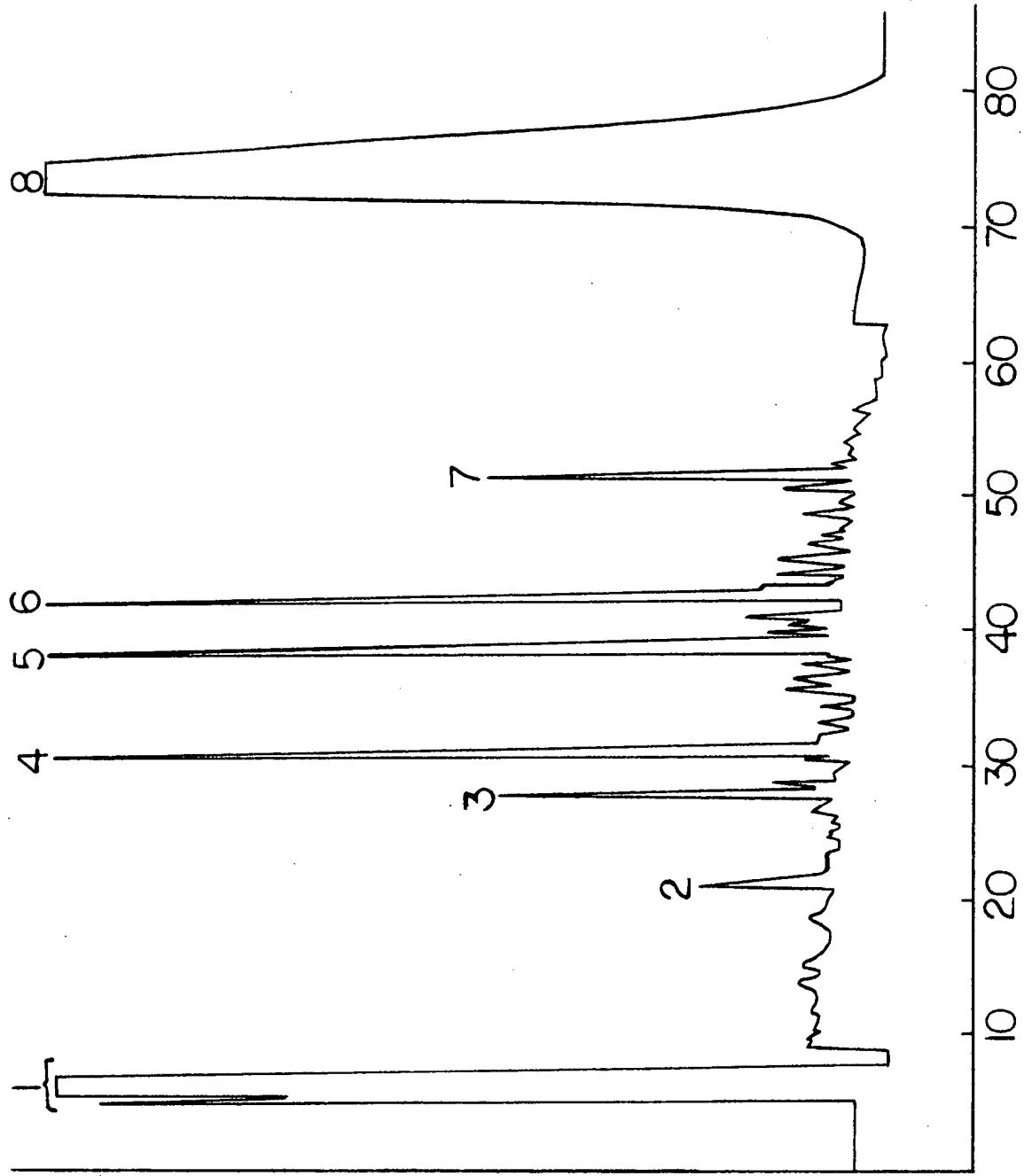


FIG. 7

JUL 13 2004  
SCEC/CERI  
15110

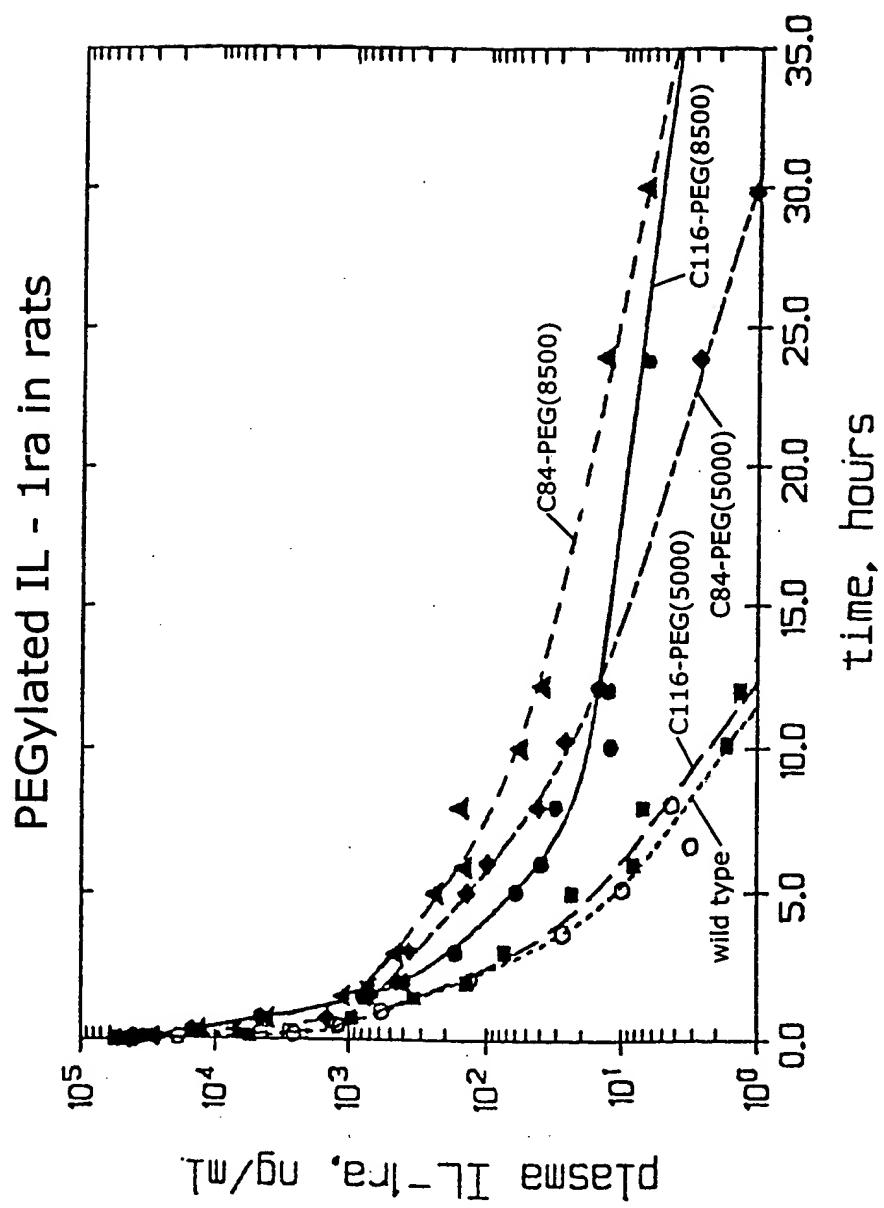


FIG. 8

OIE  
JUL 13 2004  
SOCIÉTÉ

MW START 15 16 17 18 19 20 21 22



FIG. 9

PEGylated IL - 1ra i.v. in rats

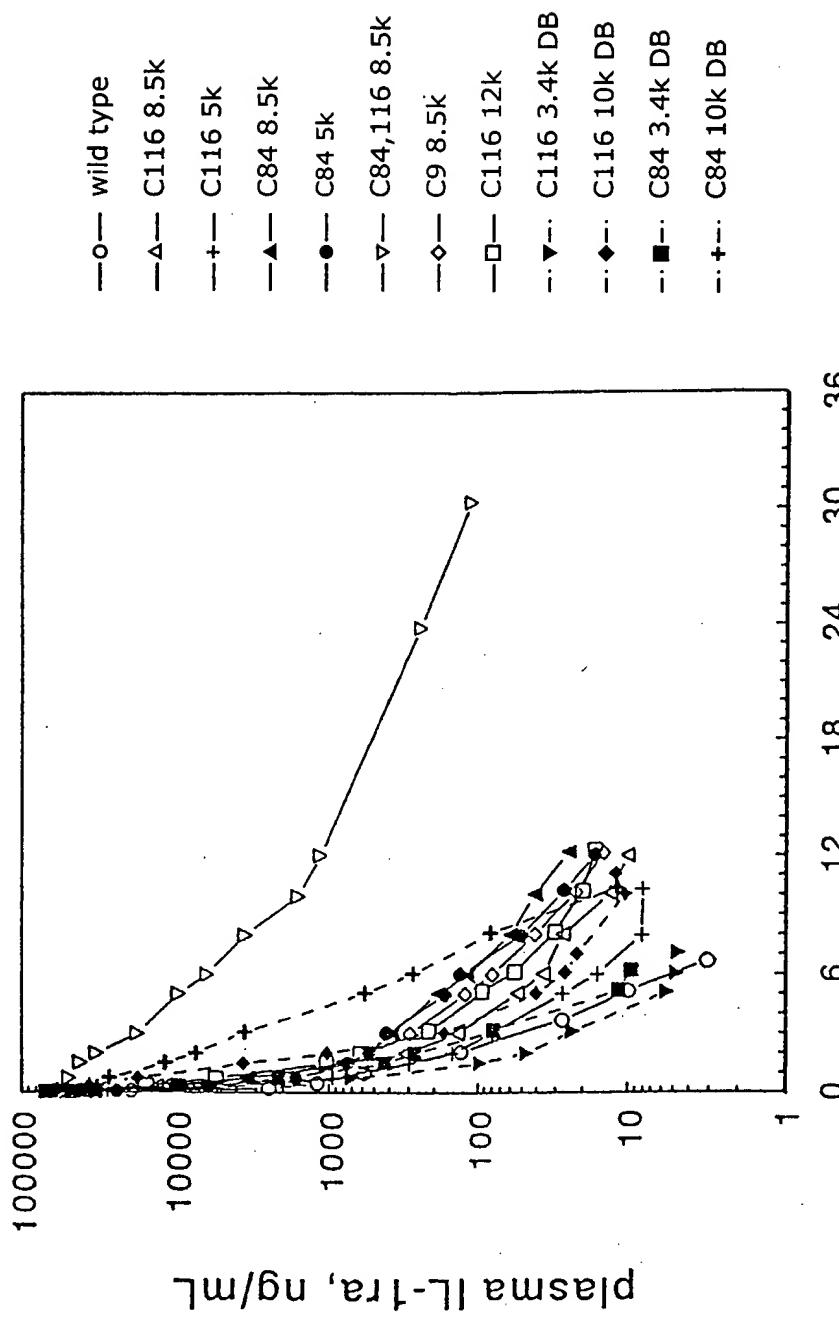


FIG. 10

100000  
10000  
1000  
100  
10  
1

100000  
10000  
1000  
100  
10  
1

0 6 12 18 24 30 36

time, hr

OIP E 01152004 JUL 13 2004

PEGylated IL - 1ra s.c. in rats

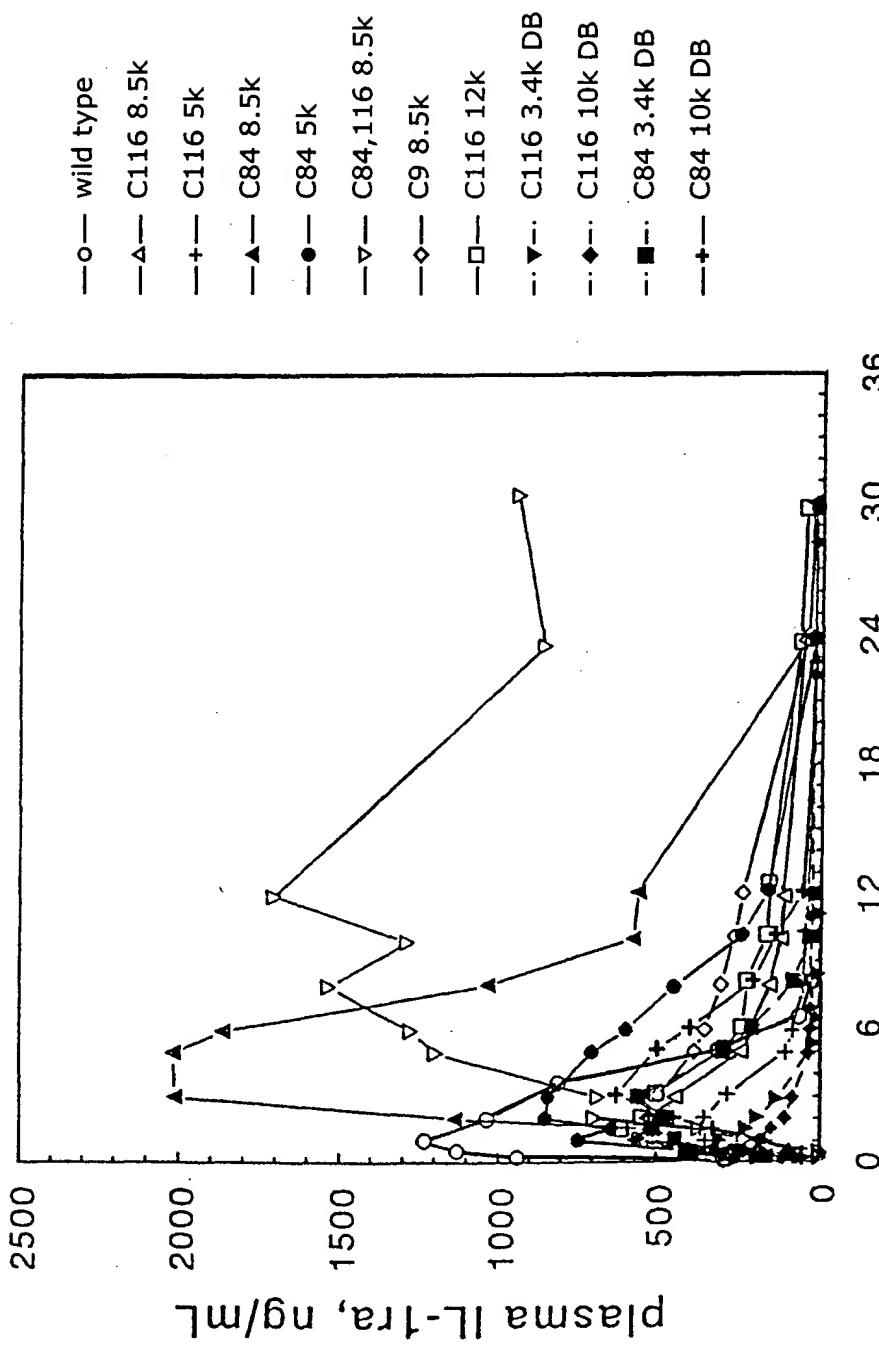


FIG. 11



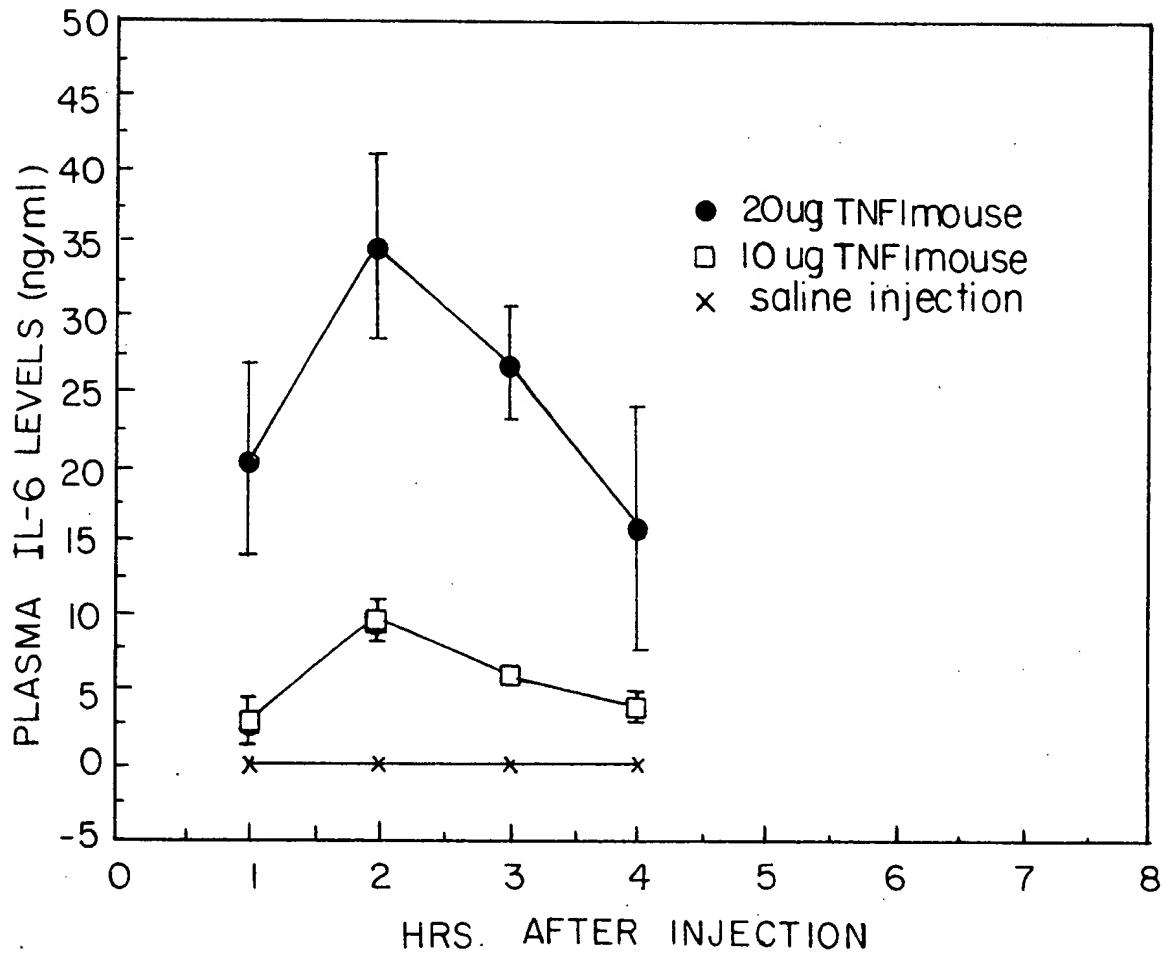


FIG.12

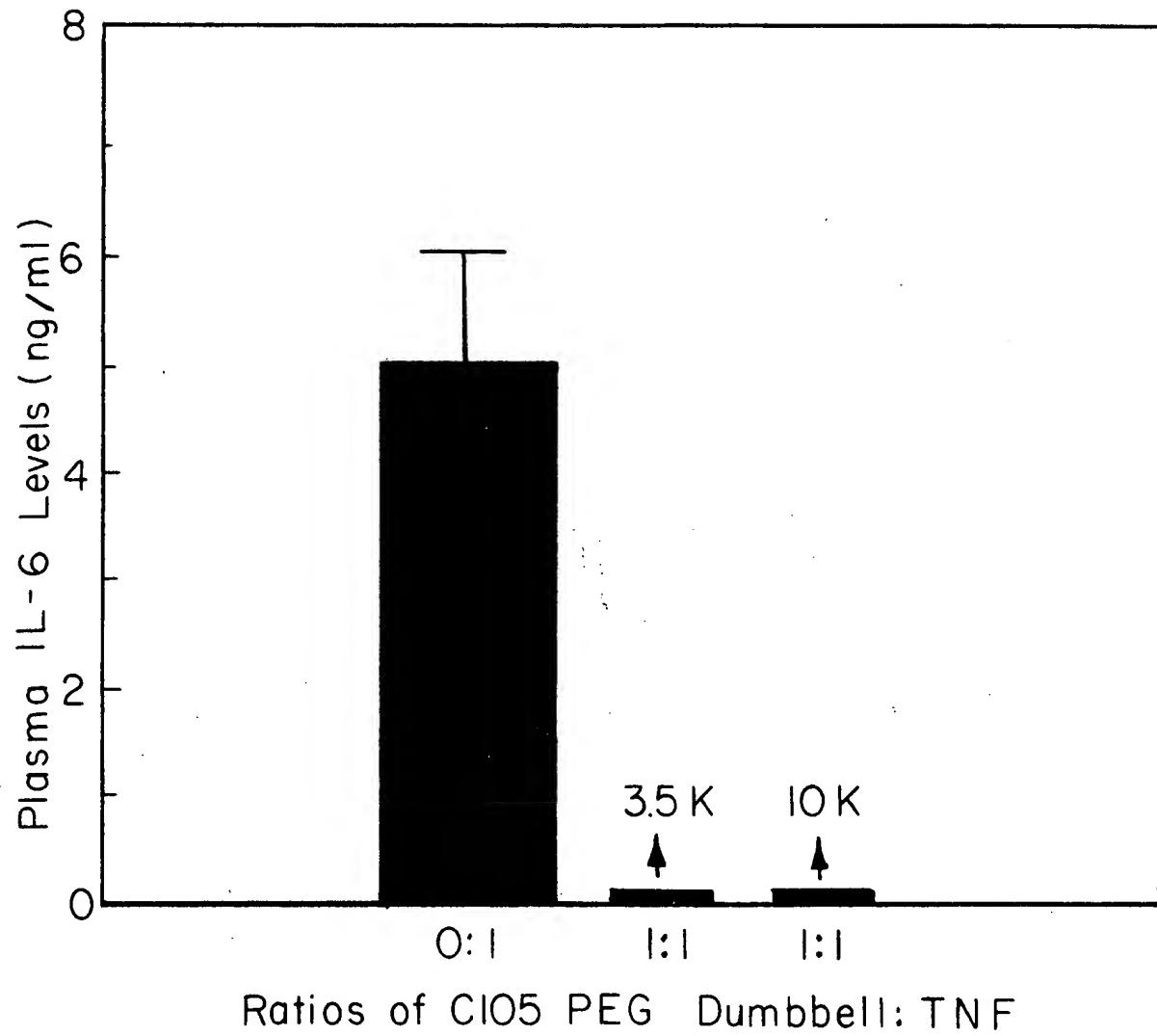


FIG.14

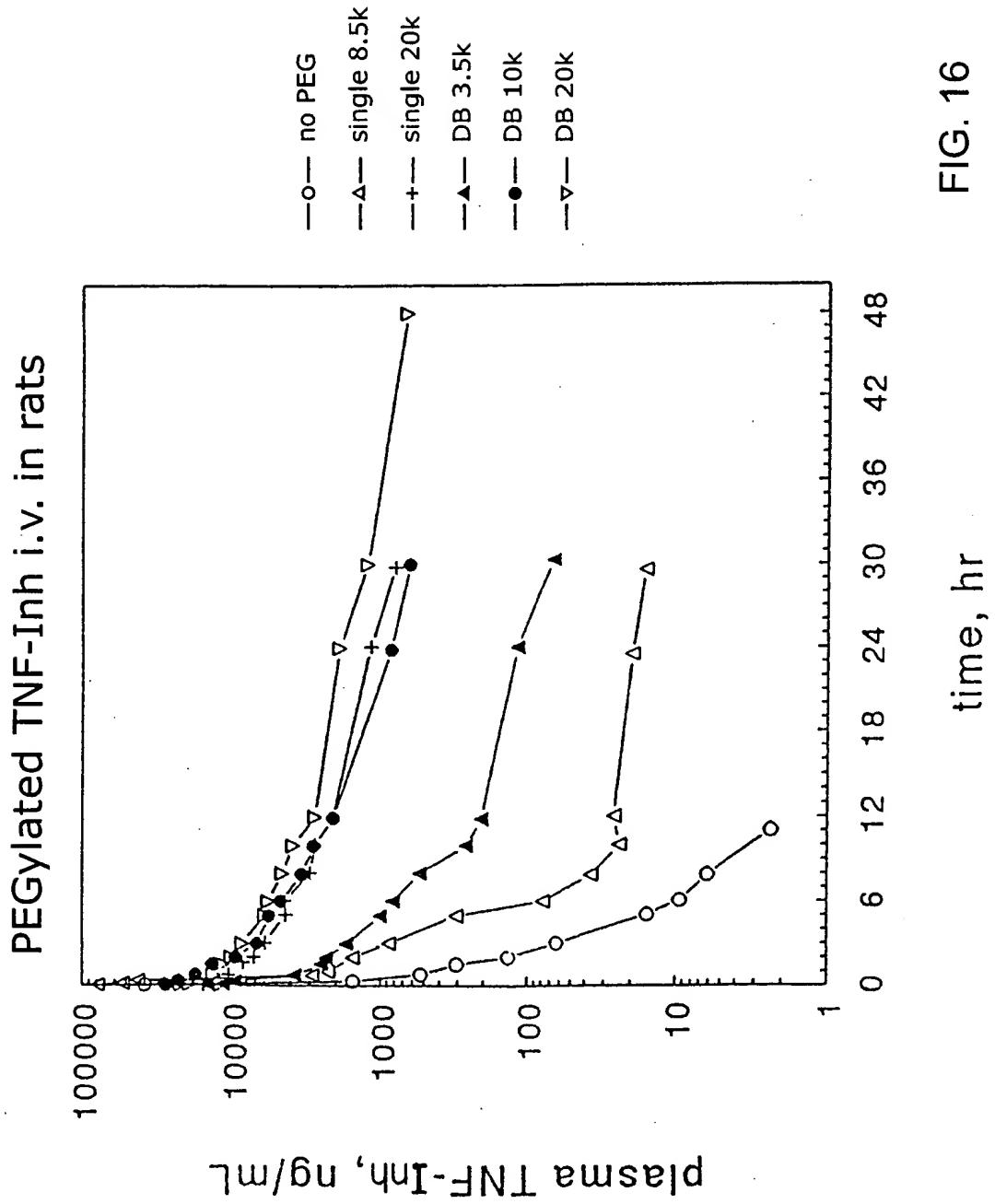
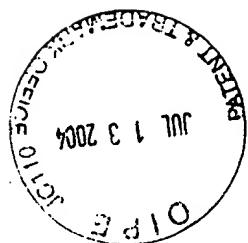


FIG. 16



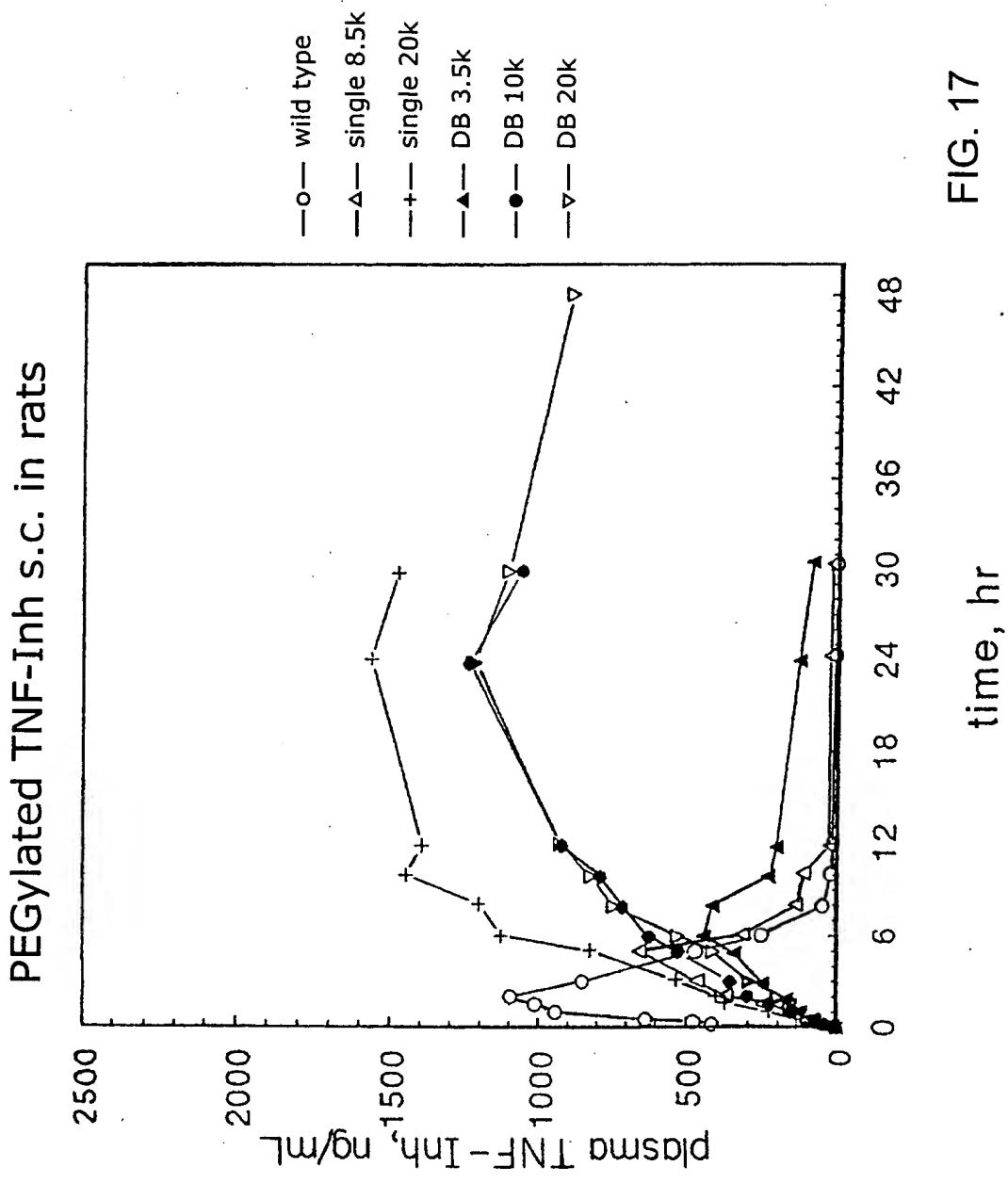
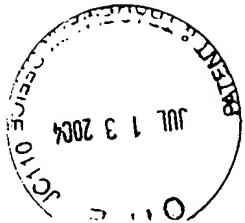


FIG. 17



SOLUBILITY OF PEGYLATED IL-1 $\alpha$   
4/15/91 160MG/ML

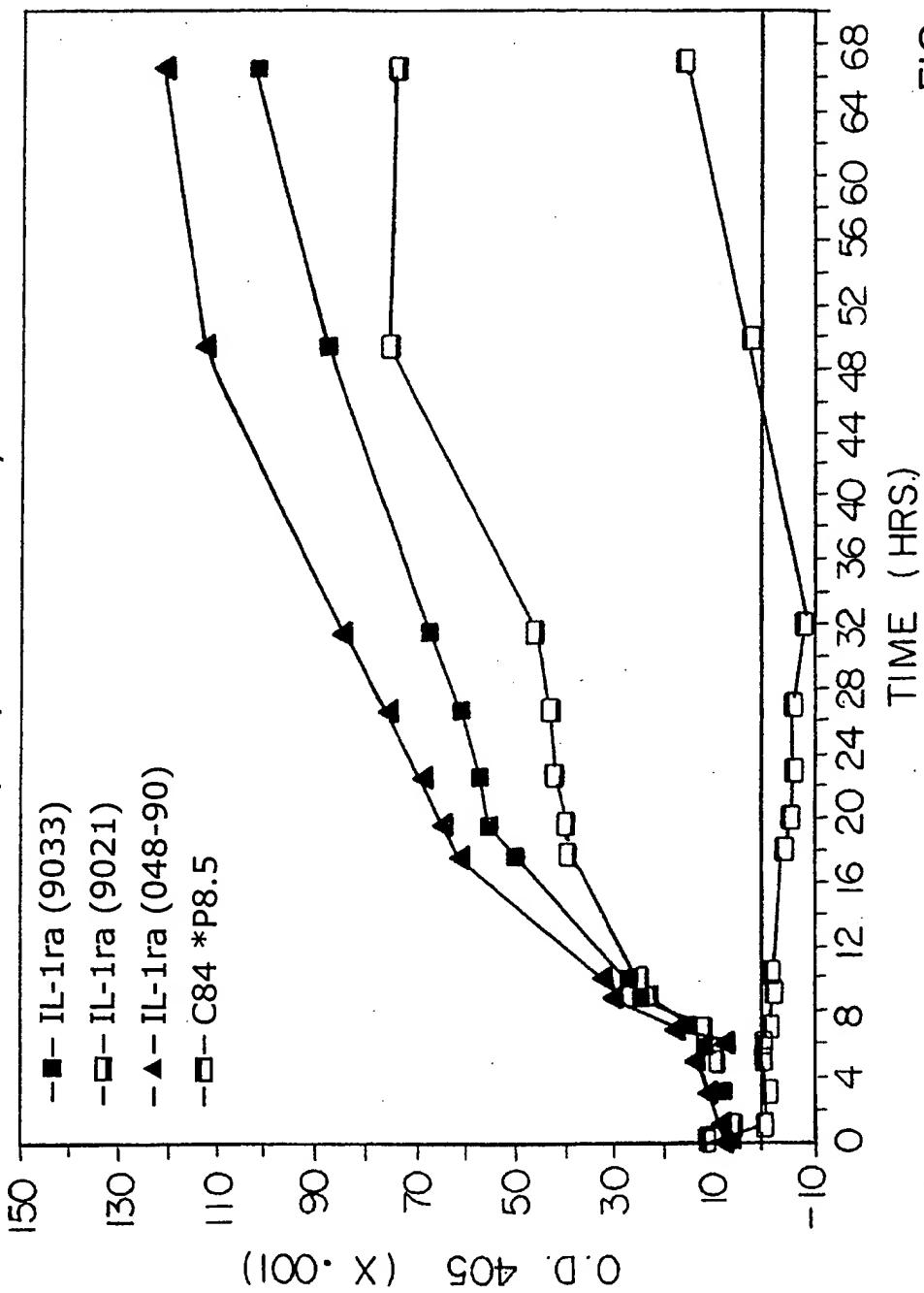


FIG. 18

012 M  
JUL 13 2004  
SOLARIS  
FAX

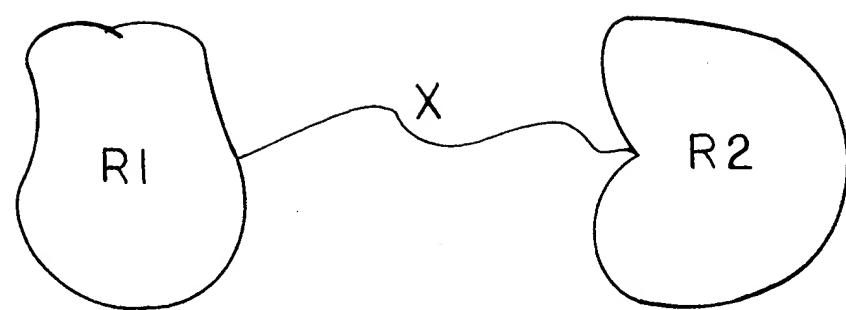


FIG.19